Subject Index

Absorption

Absorption in Manufactured Soil Aggregates, Alamgir M. Hogue and Jose G. Cabrera, TE Nov. 83 p800-814.

Aggregates

Absorption in Manufactured Soil Aggregates, Alamgir M. Hogue and Jose G. Cabrera, TE Nov. 83 p800-814.

Equivalent Granular Base Moduli: Prediction, Brian E. Smith and Matthew W. Witczak, TE Nov. 81 p635-652.

Air traffic

Operational Procedures to Increase Runway Capacity, Adib Kanafani, TE May 83 p414-424.

Air transportation

Flight Frequency Determination, Dusan B. Teodorovic, TE Sept. 83 p747-757.

Aircraft

Operational Procedures to Increase Runway Capacity, Adib Kanafani, TE May 83 p414-424.

Airlines

Flight Frequency Determination, Dusan B. Teodorovic, TE Sept. 83 p747-757.

Airport runways

Assess Subgrade Rutting Potential by Stress Factor, Yu T. Chu, TE May 83 p462-470.

Operational Procedures to Increase Runway Capacity, Adib Kanafani, TE May 83 p414-424.

Airport Terminals

Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE Nov. 80 p765-774.

ASCE Technical Divisions

Twenty-Five Years with the Pipeline Division, Francis Stastny, TE Jan. 83 p148-158.

Asphalt Mix Design

Characterization of Asphalt Emulsion Treated Bases, Michael S. Mamlouk and Leonard E. Wood, TE March 81 p183-196.

Asphalt Pavements

Characterization of Asphalt Emulsion Treated Bases, Michael S. Mamlouk and Leonard E. Wood, TE March 81 p183-196.

Asphalt pavements

Cooling Curve Prediction of Asphaltic Concrete, R. Kenneth Wolfe, George L. Heath and David C. Colony, TE Jan. 83 p137-147.

Asphalts

Characterization of Asphalt Emulsion Treated Bases, Michael S. Mamlouk and Leonard E. Wood, TE March 81 p183-196.

Automobiles

Minisized Automobiles and Roadside Appurtenances, John F. Carney, III, TE Nov. 83 p815-823.

Benefit cost ratios

Bus Priority Strategy: Justification and Environmental Aspects, A. Essam Radwan and David A. Benevelli, TE Jan. 83 p88-106.

Bitumen

Absorption in Manufactured Soil Aggregates, Alamgir M. Hogue and Jose G. Cabrera, TE Nov. 83 p800-814.

Bridges

Optimal Strategies for Bridge Replacement, Alberto Garcia-Diaz and Judith S. Lieberman, TE Jan. 83 p196-208.

Bridges, concrete

Lift System for Raising Continuous Concrete Bridges, George E. Ramey, TE Sept. 83 p733-746.

Bridges, highway

Lift System for Raising Continuous Concrete Bridges, George E. Ramey, TE Sept. 83 p733-746.

Buried pipes

Junction Stresses in Buried Jointed Pipelines, A. C. Singhal and Chian-Lee Meng, TE May 83 p450-461.

Load Reductions on Buried Rigid Pipe, Lawrence C. Rude, TE Jan. 83 p107-123.

Pipe Restraints: Design Fallacies, Patrick J. Creegan, TE Nov. 83 p840-852.

Bus lanes

Impact Study of Bus Lanes in Bangkok, Yordphol Tanaboriboon and Surasak Toonim, TE March 83 p247-256.

Bus priority treatment

Bus Priority Strategy: Justification and Environmental Aspects, A. Essam Radwan and David A. Benevelli, TE Jan. 83 p88-106.

Bus stops

Bus Stop Location and Design, Michael J. Demetsky and Brian Bin-Mau Lin, TE July 82 p313-327.

Bus terminals

Cost Trade-Off Analysis for Bus Facility Expansion, Wilbert E. Wilhelm and Wyley J. Parks, TE Jan. 83 p124-136.

Bus usage

Bus Maintenance Planning with Computer Simulation, T. H. Maze, George C. Jackson and Utpal Dutta, TE May 83 p389-342.

Bus Priority Strategy: Justification and Environmental Aspects, A. Essam Radwan and David A. Benevelli, TE Jan. 83 p88-106.

Buses

Accessible Public Transit Alternatives, Robert L. Smith, Jr., TE Jan. 83 p16-32.

Bus Stop Location and Design, Michael J. Demetsky and Brian Bin-Mau Lin, TE July 82 p313-327.

Develping Bus Operating Cost Models: A Methodology, Reggie J. Caudill, Richard A. Kaplan and Anne Taylor-Harris, TE March 83 p273-285.

Car pools

Carpool Assignment Technique Application, William W. Mann, TE May 83 p380-388.

Cements

Hydraulic Cement from Fly Ash and Phosphoric Acid, Mustafa Boybay and Turgut Demirel, TE July 83 p506-518.

Cold weather construction

Cooling Curve Prediction of Asphaltic Concrete, R. Kenneth Wolfe, George L. Heath and David C. Colony, TE Jan. 83 p137-147.

Commuting patterns

Perceived Factors Affecting Driver Route Decisions, Manouchehr Vaziri and Tenny M. Lam, TE March 83 p297-311.

Predicting Transit Ridership in Response to Transit Service Changes, Frank S. Koppelman, TE July 83 p548-564.

Computer graphics

Interactive Graphics Use in Traffic Noise Modeling, Louis F. Cohn, William Bowlby and Leonard W. Casson, TE Jan. 83 p179-195.

Computer programs

Finite Element Analysis of Jointed Concrete Pavements, Yang H. Huang and Xue-Jun Deng, TE Sept. 83 p689-705.

Systematic Calibration of Multinomial Logit Models, Snehamay Khasnabis, Michael J. Cynecki and Mark A. Flak, TE March 83 p209-231.

Concrete

Fly Ash Sulfur Concrete, William J. Head and Min-Fu Liao, TE May 81 p345-363.

Concrete pavements

Comparative Analyses of Rigid Pavements, Yu T. Chou, TE Sept. 83 p669-688.

Effect of PCC Shoulders on Adjacent Concrete Lanes, Jihad S. Sawan, TE March 83 p312-324.

Precast Repair of CRC Pavements, Alvin H. Meyer and B. F. McCullough, TE Sept. 83 p615-630.

Subgrade Contact Pressures under Rigid Pavements, Yu T. Chou, TE May 83 p363-379.

Concrete pipes

Pipe-Jacking: State of the Art in UK and Europe, T. E. Clarkson and J. C. Thomson, TE Jan. 83 p57-72.

Concrete, precast

Precast Repair of CRC Pavements, Alvin H. Meyer and B. F. McCullough, TE Sept. 83 p615-630.

Concrete, reinforced

Comparative Analyses of Rigid Pavements, Yu T. Chou, TE Sept. 83 p669-688.

Precast Repair of CRC Pavements, Alvin H. Meyer and B. F. McCullough, TE Sept. 83 p615-630.

Concrete slabs

Finite Element Analysis of Jointed Concrete Pavements, Yang H. Huang and Xue-Jun Deng, TE Sept. 83 p689-705.

Subgrade Contact Pressures under Rigid Pavements, Yu T. Chou, TE May 83 p363-379.

Construction materials

Fly Ash Sulfur Concrete, William J. Head and Min-Fu Liao, TE May 81 p345-363.

Construction planning

Planning Railway Construction, Alfred E. Fazio, Robert N. Fazio and E. K. Tryon, TE Jan. 83 p73-87.

Construction procedure

Planning Railway Construction, Alfred E. Fazio, Robert N. Fazio and E. K. Tryon, TE Jan. 83 p73-87.

Construction site accidents

Traffic Control at Freeway Work Sites, Zoltan A. Nemeth and Nagui M. Rouphail, TE Jan. 83 p1-15.

Construction sites

Pedestrian Safety Through Work Zones: Guidelines, Himmat S. Chadda and Hugh W. McGee, TE Nov. 83 p785-799.

Cost analysis

Cost Trade-Off Analysis for Bus Facility Expansion, Wilbert E. Wilhelm and Wyley J. Parks, TE Jan. 83 p124-136.

Culverts

Load Reductions on Buried Rigid Pipe, Lawrence C. Rude, TE Jan. 83 p107-123.

Damping

Truck Suspension Models, Krishnan Kutty Kunjamboo and Colin O'Connor, TE Sept. 83 p706-720.

Decision making

Methods Used to Evaluate Highway Improvements, James M. Witkowski, TE Nov. 83 p769-784.

Deflection

Finite Element Analysis of Jointed Concrete Pavements, Yang H. Huang and Xue-Jun Deng, TE Sept. 83 p689-705.

Loading Mode Effects on Pavement Deflections, Mario S. Hoffman, TE Sept. 83 p651-668.

Deformation

Soil-Pipe Interaction and Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, TE Jan. 81 p45-58.

Dynamic response

Truck Suspension Models, Krishnan Kutty Kunjamboo and Colin O'Connor, TE Sept. 83 p706-720.

Earth pressure

Soil-Pipe Interaction and Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, TE Jan. 81 p45-58.

Economic analysis

Inflation and Highway Economic Analysis, Philip D. Cady, TE Sept. 83 p631-639.

Economic impact

Social and Environmental Impacts: Edens Project, Henry M. Yamanaka, TE Sept. 83 p721-732.

Emulsions

Characterization of Asphalt Emulsion Treated Bases, Michael S. Mamlouk and Leonard E. Wood, TE March 81 p183-196.

Energy adsorption

Minisized Automobiles and Roadside Appurtenances, John F. Carney, III, TE Nov. 83 p815-823.

Energy consumption

Highways, Transport, and Energy: A Look Ahead, Herbert S. Levinson, TE Sept. 82 p447-456.

Energy dissipation

Modeling of Steel Tube Vehicular Crash Cushion, John F. Carney, III, Chris D. Austin and Steven R. Reid, TE May 83 p331-346.

Environmental compatibility

Glenwood Canyon I-70: Environmental Concern, Ralph J. Trapani and Eric A. Beal, TE May 83 p403-413.

Environmental engineering

Landsat and Water Quality Model Verification, Donald Steven Graham and John M. Hill, TE Sept. 83 p640-650.

Environmental impacts

Environmental Impact Assessment: Highway Location, Frank R. Wilson and Donald L. Stonehouse, TE Nov. 83 p759-768.

Social and Environmental Impacts: Edens Project, Henry M. Yamanaka, TE Sept. 83 p721-732.

Estuaries

Landsat and Water Quality Model Verification, Donald Steven Graham and John M. Hill, TE Sept. 83 p640-650.

Field tests

Landsat and Water Quality Model Verification, Donald Steven Graham and John M. Hill, TE Sept. 83 p640-650.

Loading Mode Effects on Pavement Deflections, Mario S. Hoffman, TE Sept. 83 p651-668.

Finite element method

Comparative Analyses of Rigid Pavements, Yu T. Chou, TE Sept. 83 p669-688.

Finite Element Analysis of Jointed Concrete Pavements, Yang H. Huang and Xue-Jun Deng, TE Sept. 83 p689-705.

Flexible pavements

Assess Subgrade Rutting Potential by Stress Factor, Yu T. Chu, TE May 83 p462-470.

Equivalent Granular Base Moduli: Prediction, Brian E. Smith and Matthew W. Witczak, TE Nov. 81 p635-652.

Flexible pipes

Junction Stresses in Buried Jointed Pipelines, A. C. Singhal and Chian-Lee Meng, TE May 83 p450-461.

Fluid flow

Node Flow Analysis of Water Distribution Systems, Pramod R. Bhave, TE July 81 p457-467.

Fly ash

Fly Ash Sulfur Concrete, William J. Head and Min-Fu Liao, TE May 81 p345-363.

Hydraulic Cement from Fly Ash and Phosphoric Acid, Mustafa Boybay and Turgut Demirel, TE July 83 p506-518.

Forecasting

Forecasting Intersection Traffic Volumes, Martin G. Buehler, TE July 83 p519-533.

Transferabilities of Urban Travel Demand Models, Fong-Lieh Ou and Jason C. Yu, TE July 83 p579-595.

Freeway planning

Social and Environmental Impacts: Edens Project, Henry M. Yamanaka, TE Sept. 83 p721-732.

Fuel consumption

Highways, Transport, and Energy: A Look Ahead, Herbert S. Levinson, TE Sept. 82 p447-456.

Fuel economy

Highways, Transport, and Energy: A Look Ahead, Herbert S. Levinson, TE Sept. 82 p447-456.

Garages

Cost Trade-Off Analysis for Bus Facility Expansion, Wilbert E. Wilhelm and Wyley J. Parks, TE Jan. 83 p124-136.

Granular materials

Equivalent Granular Base Moduli: Prediction, Brian E. Smith and Matthew W. Witczak, TE Nov. 81 p635-652.

Handicapped passengers

Accessible Public Transit Alternatives, Robert L. Smith, Jr., TE Jan. 83 p16-32.

Highway accident potential

Technique for Identifying Problem Downgrades, Ronald W. Eck, TE July 83 p604-610.

Traffic Control at Freeway Work Sites, Zoltan A. Nemeth and Nagui M. Rouphail, TE Jan. 83 p1-15.

Highway construction

Cooling Curve Prediction of Asphaltic Concrete, R. Kenneth Wolfe, George L. Heath and David C. Colony, TE Jan. 83 p137-147.

Glenwood Canyon I-70: Environmental Concern, Ralph J. Trapani and Eric A. Beal, TE May 83 p403-413.

Inflation and Highway Economic Analysis, Philip D. Cady, TE Sept. 83 p631-639.

Pedestrian Safety Through Work Zones: Guidelines, Himmat S. Chadda and Hugh W. McGee, TE Nov. 83 p785-799.

Traffic Control at Freeway Work Sites, Zoltan A. Nemeth and Nagui M. Rouphail, TE Jan. 83 p1-15.

Traffic Planning for Edens Reconstruction Project, Sigmund C. Ziejewski, TE Jan. 83 p159-171.

Highway costs

Inflation and Highway Economic Analysis, Philip D. Cady, TE Sept. 83 p631-639.

Highway design

Environmental Impact Assessment: Highway Location, Frank R. Wilson and Donald L. Stonehouse, TE Nov. 83 p759-768.

Glenwood Canyon I-70: Environmental Concern, Ralph J. Trapani and Eric A. Beal, TE May 83 p403-413.

Highway environmental impact

Glenwood Canyon I-70: Environmental Concern, Ralph J. Trapani and Eric A. Beal, TE May 83 p403-413.

Highway environmental impacts

Environmental Impact Assessment: Highway Location, Frank R. Wilson and Donald L. Stonehouse, TE Nov. 83 p759-768.

Highway improvements

Methods Used to Evaluate Highway Improvements, James M. Witkowski, TE Nov. 83 p769-784.

Traffic Planning for Edens Reconstruction Project, Sigmund C. Ziejewski, TE Jan. 83 p159-171.

Highway maintenance

Inflation and Highway Economic Analysis, Philip D. Cady, TE Sept. 83 p631-639.

Pavement Management for Large Highway Networks, Walter P. Kilareski and Charles J. Churilla, TE Jan. 83 p33-45.

Traffic Planning for Edens Reconstruction Project, Sigmund C. Ziejewski, TE Jan. 83 p159-171.

Highway planning

Environmental Impact Assessment: Highway Location, Frank R. Wilson and Donald L. Stonehouse, TE Nov. 83 p759-768.

Methods Used to Evaluate Highway Improvements, James M. Witkowski, TE Nov. 83 p769-784.

Highway safety

Minisized Automobiles and Roadside Appurtenances, John F. Carney, III, TE Nov. 83 p815-823.

Technique for Identifying Problem Downgrades, Ronald W. Eck, TE July 83 p604-610.

Highways

Forecasting Intersection Traffic Volumes, Martin G. Buehler, TE July 83 p519-533.

Loading Mode Effects on Pavement Deflections, Mario S. Hoffman, TE Sept. 83 p651-668.

Hydrodynamics

Landsat and Water Quality Model Verification, Donald Steven Graham and John M. Hill, TE Sept. 83 p640-650.

Hysteresis

Truck Suspension Models, Krishnan Kutty Kunjamboo and Colin O'Connor, TE Sept. 83 p706-720.

Impact loads

Modeling of Steel Tube Vehicular Crash Cushion, John F. Carney, III, Chris D. Austin and Steven R. Reid, TE May 83 p331-346.

Impacts

Minisized Automobiles and Roadside Appurtenances, John F. Carney, III, TE Nov. 83 p815-823.

Inclusions

Load Reductions on Buried Rigid Pipe, Lawrence C. Rude, TE Jan. 83 p107-123.

Inflation, economic

Inflation and Highway Economic Analysis, Philip D. Cady, TE Sept. 83 p631-639.

Intersections

Additional Through Lanes at Signalized Intersections, David L. Guell, TE July 83 p499-505.

Estimation of Left-Turn Traffic Parameters, Feng-Bor Lin and Theodore T. Nadratowski, TE May 83 p347-362.

Forecasting Intersection Traffic Volumes, Martin G. Buehler, TE July 83 p519-533.

Variance of Vehicle Change Intervals, Martin G. Buehler, TE Nov. 83 p871-875.

Interstate highways

Glenwood Canyon I-70: Environmental Concern, Ralph J. Trapani and Eric A. Beal, TE May 83 p403-413.

Landslides

Mudslide Effects on Offshore Pipelines, Richard C. Swanson and Warren T. Jones, TE Nov. 82 p585-600.

Life cycles

Bus Maintenance Planning with Computer Simulation, T. H. Maze, George C. Jackson and Utpal Dutta, TE May 83 p389-342.

Lifting

Lift System for Raising Continuous Concrete Bridges, George E. Ramey, TE Sept. 83 p733-746.

Load transfer

Effect of PCC Shoulders on Adjacent Concrete Lanes, Jihad S. Sawan, TE March 83 p312-324.

Loading

Loading Mode Effects on Pavement Deflections, Mario S. Hoffman, TE Sept. 83 p651-668.

Maintenance

Bus Maintenance Planning with Computer Simulation, T. H. Maze, George C. Jackson and Utpal Dutta, TE May 83 p389-342.

Maintenance costs

Traffic Signal Maintenance Requirements, Walter H. Kraft and J. Robert Doughty, TE May 83 p471-478.

Mass transportation

Bus Stop Location and Design, Michael J. Demetsky and Brian Bin-Mau Lin, TE July 82 p313-327.

Model verification

Landsat and Water Quality Model Verification, Donald Steven Graham and John M. Hill, TE Sept. 83 p640-650.

Models

Transferabilities of Urban Travel Demand Models, Fong-Lieh Ou and Jason C. Yu, TE July 83 p579-595.

Mud

Mudslide Effects on Offshore Pipelines, Richard C. Swanson and Warren T. Jones, TE Nov. 82 p585-600.

Network analysis

Node Flow Analysis of Water Distribution Systems, Pramod R. Bhave, TE July 81 p457-467.

Network geometry

Optimal Layout for Branching Distribution Networks, Pramod R. Bhave and Chan F. Lam, TE July 83 p534-547.

Noise

Interactive Graphics Use in Traffic Noise Modeling, Louis F. Cohn, William Bowlby and Leonard W. Casson, TE Jan. 83 p179-195.

Noise measurement

Interactive Graphics Use in Traffic Noise Modeling, Louis F. Cohn, William Bowlby and Leonard W. Casson, TE Jan. 83 p179-195.

Nomographs

Sample Size of Pavement Deflections by Nomograph, Sudipta S. Bandyopadhyay, TE July 83 p599-604.

Nondestructive tests

Loading Mode Effects on Pavement Deflections, Mario S. Hoffman, TE Sept. 83 p651-668.

Offshore pipelines

Mudslide Effects on Offshore Pipelines, Richard C. Swanson and Warren T. Jones, TE Nov. 82 p585-600.

Open channel flow

Surging in Combined Free Surface-Pressurized Systems, Mark J. Sundquist and Constantine N. Papadakis, TE Jan. 83 p232-245.

Operating costs

Cost Trade-Off Analysis for Bus Facility Expansion, Wilbert E. Wilhelm and Wyley J. Parks, TE Jan. 83 p124-136.

Optimum design

Optimal Layout for Branching Distribution Networks, Pramod R. Bhave and Chan F. Lam, TE July 83 p534-547.

Passenger Terminals

Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE Nov. 80 p765-774.

Passenger transportation

Transferabilities of Urban Travel Demand Models, Fong-Lieh Ou and Jason C. Yu, TE July 83 p579-595.

Passenger vehicles

Estimation of Left-Turn Traffic Parameters, Feng-Bor Lin and Theodore T. Nadratowski, TE May 83 p347-362.

Pavement condition

Pavement Management for Large Highway Networks, Walter P. Kilareski and Charles J. Churilla, TE Jan. 83 p33-45.

Sample Size of Pavement Deflections by Nomograph, Sudipta S. Bandyopadhyay, TE July 83 p599-604.

Pavement deflections

Finite Element Analysis of Jointed Concrete Pavements, Yang H. Huang and Xue-Jun Deng, TE Sept. 83 p689-705.

Loading Mode Effects on Pavement Deflections, Mario S. Hoffman, TE Sept. 83 p651-668.

Sample Size of Pavement Deflections by Nomograph, Sudipta S. Bandyopadhyay, TE July 83 p599-604.

Pavement design

Assess Subgrade Rutting Potential by Stress Factor, Yu T. Chu, TE May 83 p462-470.

Equivalent Granular Base Moduli: Prediction, Brian E. Smith and Matthew W. Witczak, TE Nov. 81 p635-652.

Pavement Management for Large Highway Networks, Walter P. Kilareski and Charles J. Churilla, TE Jan. 83 p33-45.

Subgrade Contact Pressures under Rigid Pavements, Yu T. Chou, TE May 83 p363-379.

Pavements

Effect of Oil Field Trucks on Light Pavements, John M. Mason, Jr., TE May 83 p425-439.

Finite Element Analysis of Jointed Concrete Pavements, Yang H. Huang and Xue-Jun Deng, TE Sept. 83 p689-705.

Fly Ash Sulfur Concrete, William J. Head and Min-Fu Liao, TE May 81 p345-363.

Hydraulic Resistance of Pavement Surfaces, Joseph R. Reed and David F. Kibler, TE March 83 p286-296.

Loading Mode Effects on Pavement Deflections, Mario S. Hoffman, TE Sept. 83 p651-668.

Precast Repair of CRC Pavements, Alvin H. Meyer and B. F. McCullough, TE Sept. 83 p615-630.

Pedestrian safety

Pedestrian Safety Through Work Zones: Guidelines, Himmat S. Chadda and Hugh W. McGee, TE Nov. 83 p785-799.

Pedestrian traffic flow

Pedestrian Flow and Level of Service, Abishai Polus, Joseph L. Schofer and Ariela Ushpiz, TE Jan. 83 p46-56.

Pedestrians

Pedestrian Flow and Level of Service, Abishai Polus, Joseph L. Schofer and Ariela Ushpiz, TE Jan. 83 p46-56.

Phosphoric acid

Hydraulic Cement from Fly Ash and Phosphoric Acid, Mustafa Boybay and Turgut Demirel, TE July 83 p506-518.

Pipe flow

Node Flow Analysis of Water Distribution Systems, Pramod R. Bhave, TE July 81 p457-467.

Pipe jacking

Pipe-Jacking: State of the Art in UK and Europe, T. E. Clarkson and J. C. Thomson, TE Jan. 83 p57-72.

Pipe joints

Junction Stresses in Buried Jointed Pipelines, A. C. Singhal and Chian-Lee Meng, TE May 83 p450-461.

Pipe Restraints: Design Fallacies, Patrick J. Creegan, TE Nov. 83 p840-852.

Pipe-Jacking: State of the Art in UK and Europe, T. E. Clarkson and J. C. Thomson, TE Jan. 83 p57-72.

Pipeline design

Optimal Layout for Branching Distribution Networks, Pramod R. Bhave and Chan F. Lam, TE July 83 p534-547.

Pipe Restraints: Design Fallacies, Patrick J. Creegan, TE Nov. 83 p840-852.

Pipeline Shore Approach: Analysis and Design, Henry H. Chang and Jorge Ford, TE Nov. 83 p853-867.

Soil-Pipe Interaction and Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, TE Jan. 81 p45-58.

Pipelines

Junction Stresses in Buried Jointed Pipelines, A. C. Singhal and Chian-Lee Meng, TE May 83 p450-461.

Mudslide Effects on Offshore Pipelines, Richard C. Swanson and Warren T. Jones, TE Nov. 82 p585-600.

Protection of Pipelines Subject to Surcharge Loads, Eugene M. Kovach, TE Nov. 82 p540-549.

Soil-Pipe Interaction and Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, TE Jan. 81 p45-58.

Twenty-Five Years with the Pipeline Division, Francis Stastny, TE Jan. 83 p148-158.

Pore size distribution

Absorption in Manufactured Soil Aggregates, Alamgir M. Hogue and Jose G. Cabrera, TE Nov. 83 p800-814.

Portland cements

Effect of PCC Shoulders on Adjacent Concrete Lanes, Jihad S. Sawan, TE March 83 p312-324.

Pressurized flow

Surging in Combined Free Surface-Pressurized Systems, Mark J. Sundquist and Constantine N. Papadakis, TE Jan. 83 p232-245.

Public transportation

Accessible Public Transit Alternatives, Robert L. Smith, Jr., TE Jan. 83 p16-32.

Highways, Transport, and Energy: A Look Ahead, Herbert S. Levinson, TE Sept. 82 p447-456.

Transit Performance Evaluation Model, Richard P. Guenthner and Kumares C. Sinha, TE July 82 p343-361.

Rail transportation

Planning Railway Construction, Alfred E. Fazio, Robert N. Fazio and E. K. Tryon, TE Jan. 83 p73-87.

Railroad engineering

Planning Railway Construction, Alfred E. Fazio, Robert N. Fazio and E. K. Tryon, TE Jan. 83 p73-87.

Railroads

Planning Railway Construction, Alfred E. Fazio, Robert N. Fazio and E. K. Tryon, TE Jan. 83 p73-87.

Rainfall-runoff relationships

Hydraulic Resistance of Pavement Surfaces, Joseph R. Reed and David F. Kibler, TE March 83 p286-296.

Reconstruction

Social and Environmental Impacts: Edens Project, Henry M. Yamanaka, TE Sept. 83 p721-732.

Remote sensing

Landsat and Water Quality Model Verification, Donald Steven Graham and John M. Hill, TE Sept. 83 p640-650.

Residential streets

Visual Intrusion Impact of Residential Traffic, Gerald R. Brown and Donald F. Park, TE Sept. 82 p468-483.

Resource allocation

Methods Used to Evaluate Highway Improvements, James M. Witkowski, TE Nov. 83 p769-784.

Restraint systems

Pipe Restraints: Design Fallacies, Patrick J. Creegan, TE Nov. 83 p840-852.

Revegetation

Glenwood Canyon I-70: Environmental Concern, Ralph J. Trapani and Eric A. Beal, TE May 83 p403-413.

Rigid pavements

Comparative Analyses of Rigid Pavements, Yu T. Chou, TE Sept. 83 p669-688.

Subgrade Contact Pressures under Rigid Pavements, Yu T. Chou, TE May 83 p363-379.

Rigid pipes

Load Reductions on Buried Rigid Pipe, Lawrence C. Rude, TE Jan. 83 p107-123.

Road shoulders

Effect of PCC Shoulders on Adjacent Concrete Lanes, Jihad S. Sawan, TE March 83 p312-324.

Road surface roughness

Pavement Management for Large Highway Networks, Walter P. Kilareski and Charles J. Churilla, TE Jan. 83 p33-45.

Route preferences

Perceived Factors Affecting Driver Route Decisions, Manouchehr Vaziri and Tenny M. Lam, TE March 83 p297-311.

Rural highways

Optimal Strategies for Bridge Replacement, Alberto Garcia-Diaz and Judith S. Lieberman, TE Jan. 83 p196-208.

Scheduling

Flight Frequency Determination, Dusan B. Teodorovic, TE Sept. 83 p747-757.

Optimization of Zonal Transit Service, Shou-min Tsao and Paul Schonfeld, TE Jan. 83 p257-272.

Serviceability

Effect of Oil Field Trucks on Light Pavements, John M. Mason, Jr., TE May 83 p425-439.

Sewers

Pipe-Jacking: State of the Art in UK and Europe, T. E. Clarkson and J. C. Thomson, TE Jan. 83 p57-72.

Protection of Pipelines Subject to Surcharge Loads, Eugene M. Kovach, TE Nov. 82 p540-549.

Simulation usage

Bus Maintenance Planning with Computer Simulation, T. H. Maze, George C. Jackson and Utpal Dutta, TE May 83 p389-342.

Social impact

Social and Environmental Impacts: Edens Project, Henry M. Yamanaka, TE Sept. 83 p721-732.

Socioeconomic status

Visual Intrusion Impact of Residential Traffic, Gerald R. Brown and Donald F. Park, TE Sept. 82 p468-483.

Soil liquefaction

Pipeline Shore Approach: Analysis and Design, Henry H. Chang and Jorge Ford, TE Nov. 83 p853-867.

Soil-pipe interaction

Soil-Pipe Interaction and Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, TE Jan. 81 p45-58.

Spring damping

Truck Suspension Models, Krishnan Kutty Kunjamboo and Colin O'Connor, TE Sept. 83 p706-720.

State aid

Develping Bus Operating Cost Models: A Methodology, Reggie J. Caudill, Richard A. Kaplan and Anne Taylor-Harris, TE March 83 p273-285.

State-of-the-art reviews

Pedestrian Safety Through Work Zones: Guidelines, Himmat S. Chadda and Hugh W. McGee, TE Nov. 83 p785-799.

Statistical analysis

Sample Size of Pavement Deflections by Nomograph, Sudipta S. Bandyopadhyay, TE July 83 p599-604.

Variance of Vehicle Change Intervals, Martin G. Buehler, TE Nov. 83 p871-875.

Statistical distributions

Sample Size of Pavement Deflections by Nomograph, Sudipta S. Bandyopadhyay, TE July 83 p599-604.

Steel pipes

Soil-Pipe Interaction and Pipeline Design, Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, TE Jan. 81 p45-58.

Storm drains

Protection of Pipelines Subject to Surcharge Loads, Eugene M. Kovach, TE Nov. 82 p540-549.

Streets

Additional Through Lanes at Signalized Intersections, David L. Guell, TE July 83 p499-505.

Subgrades

Assess Subgrade Rutting Potential by Stress Factor, Yu T. Chu, TE May 83 p462-470.

Comparative Analyses of Rigid Pavements, Yu T. Chou, TE Sept. 83 p669-688.

Subgrade Contact Pressures under Rigid Pavements, Yu T. Chou, TE May 83 p363-379.

Submarine pipelines

Pipeline Shore Approach: Analysis and Design, Henry H. Chang and Jorge Ford, TE Nov. 83 p853-867.

Submerged flow

Surging in Combined Free Surface-Pressurized Systems, Mark J. Sundquist and Constantine N. Papadakis, TE Jan. 83 p232-245.

Subsidies, financial

Develping Bus Operating Cost Models: A Methodology, Reggie J. Caudill, Richard A. Kaplan and Anne Taylor-Harris, TE March 83 p273-285.

Subway tunnels

Pipe-Jacking: State of the Art in UK and Europe, T. E. Clarkson and J. C. Thomson, TE Jan. 83 p57-72.

Sulfur

Fly Ash Sulfur Concrete, William J. Head and Min-Fu Liao, TE May 81 p345-363.

Surcharge

Protection of Pipelines Subject to Surcharge Loads, Eugene M. Kovach, TE Nov. 82 p540-549.

Surface roughness

Hydraulic Resistance of Pavement Surfaces, Joseph R. Reed and David F. Kibler, TE March 83 p286-296.

Surge

Surging in Combined Free Surface-Pressurized Systems, Mark J. Sundquist and Constantine N. Papadakis, TE Jan. 83 p232-245.

Suspension

Truck Suspension Models, Krishnan Kutty Kunjamboo and Colin O'Connor, TE Sept. 83 p706-720.

Temperature effects

Cooling Curve Prediction of Asphaltic Concrete, R. Kenneth Wolfe, George L. Heath and David C. Colony, TE Jan. 83 p137-147.

Terminal Facilities

Atlanta's New Central Passenger Terminal Complex, James F. Kortan, TE Nov. 80 p765-774.

Thermal properties

Cooling Curve Prediction of Asphaltic Concrete, R. Kenneth Wolfe, George L. Heath and David C. Colony, TE Jan. 83 p137-147.

Traffic assignment

Optimal Signal Settings over Transportation Networks, Yosef Sheffi and Warren B. Powell, TE Nov. 83 p824-839.

Traffic control

Bus Priority Strategy: Justification and Environmental Aspects, A. Essam Radwan and David A. Benevelli, TE Jan. 83 p88-106.

Red Turn Arrow: Safety Analysis, Errol C. Noel, TE May 83 p440-449.

Traffic Control at Freeway Work Sites, Zoltan A. Nemeth and Nagui M. Rouphail, TE Jan. 83 p1-15.

Traffic control devices

Red Turn Arrow: Safety Analysis, Errol C. Noel, TE May 83 p440-449.

Traffic Signal Maintenance Requirements, Walter H. Kraft and J. Robert Doughty, TE May 83 p471-478.

Traffic flow

Bus Priority Strategy: Justification and Environmental Aspects, A. Essam Radwan and David A. Benevelli, TE Jan. 83 p88-106.

Bus Stop Location and Design, Michael J. Demetsky and Brian Bin-Mau Lin, TE July 82 p313-327.

Impact Study of Bus Lanes in Bangkok, Yordphol Tanaboriboon and Surasak Toonim, TE March 83 p247-256.

Optimal Signal Settings over Transportation Networks, Yosef Sheffi and Warren B. Powell, TE Nov. 83 p824-839.

Traffic Planning for Edens Reconstruction Project, Sigmund C. Ziejewski, TE Jan. 83 p159-171.

Variance of Vehicle Change Intervals, Martin G. Buehler, TE Nov. 83 p871-875.

Visual Intrusion Impact of Residential Traffic, Gerald R. Brown and Donald F. Park, TE Sept. 82 p468-483.

Traffic management

Estimation of Left-Turn Traffic Parameters, Feng-Bor Lin and Theodore T. Nadratowski, TE May 83 p347-362.

Visual Intrusion Impact of Residential Traffic, Gerald R. Brown and Donald F. Park, TE Sept. 82 p468-483.

Traffic models

Forecasting Intersection Traffic Volumes, Martin G. Buehler, TE July 83 p519-533.

Traffic safety

Modeling of Steel Tube Vehicular Crash Cushion, John F. Carney, III, Chris D. Austin and Steven R. Reid, TE May 83 p331-346.

Red Turn Arrow: Safety Analysis, Errol C. Noel, TE May 83 p440-449.

Traffic Control at Freeway Work Sites, Zoltan A. Nemeth and Nagui M. Rouphail, TE Jan. 83 p1-15.

Traffic signals

Additional Through Lanes at Signalized Intersections, David L. Guell, TE July 83 p499-505.

Optimal Signal Settings over Transportation Networks, Yosef Sheffi and Warren B. Powell, TE Nov. 83 p824-839.

Red Turn Arrow: Safety Analysis, Errol C. Noel, TE May 83 p440-449.

Traffic Signal Maintenance Requirements, Walter H. Kraft and J. Robert Doughty, TE May 83 p471-478.

Variance of Vehicle Change Intervals, Martin G. Buehler, TE Nov. 83 p871-875.

Traffic volume

Estimating Trip Rates from Traffic Counts, Edward S. Neumann, John Halkias and Mervat Elrazaz, TE July 83 p565-578.

Forecasting Intersection Traffic Volumes, Martin G. Buehler, TE July 83 p519-533.

Transit systems

Bus Maintenance Planning with Computer Simulation, T. H. Maze, George C. Jackson and Utpal Dutta, TE May 83 p389-342.

Bus Stop Location and Design, Michael J. Demetsky and Brian Bin-Mau Lin, TE July 82 p313-327.

Develping Bus Operating Cost Models: A Methodology, Reggie J. Caudill, Richard A. Kaplan and Anne Taylor-Harris, TE March 83 p273-285.

Optimization of Zonal Transit Service, Shou-min Tsao and Paul Schonfeld, TE Jan. 83 p257-272.

Predicting Transit Ridership in Response to Transit Service Changes, Frank S. Koppelman, TE July 83 p548-564.

Transit Performance Evaluation Model, Richard P. Guenthner and Kumares C. Sinha, TE July 82 p343-361.

Transportation

Accessible Public Transit Alternatives, Robert L. Smith, Jr., TE Jan. 83 p16-32.

Highways, Transport, and Energy: A Look Ahead, Herbert S. Levinson, TE Sept. 82 p447-456.

Transportation models

Systematic Calibration of Multinomial Logit Models, Snehamay Khasnabis, Michael J. Cynecki and Mark A. Flak, TE March 83 p209-231.

Transit Performance Evaluation Model, Richard P. Guenthner and Kumares C. Sinha, TE July 82 p343-361.

Transportation planning

Carpool Assignment Technique Application, William W. Mann, TE May 83 p380-388.

Optimization of Zonal Transit Service, Shou-min Tsao and Paul Schonfeld, TE Jan. 83 p257-272.

Planning Railway Construction, Alfred E. Fazio, Robert N. Fazio and E. K. Tryon, TE Jan. 83 p73-87.

Systematic Calibration of Multinomial Logit Models, Snehamay Khasnabis, Michael J. Cynecki and Mark A. Flak, TE March 83 p209-231.

Transferabilities of Urban Travel Demand Models, Fong-Lieh Ou and Jason C. Yu, TE July 83 p579-595.

Transportation studies

Transit Performance Evaluation Model, Richard P. Guenthner and Kumares C. Sinha, TE July 82 p343-361.

Travel demand

Estimating Trip Rates from Traffic Counts, Edward S. Neumann, John Halkias and Mervat Elrazaz, TE July 83 p565-578.

Predicting Transit Ridership in Response to Transit Service Changes, Frank S. Koppelman, TE July 83 p548-564.

Transferabilities of Urban Travel Demand Models, Fong-Lieh Ou and Jason C. Yu, TE July 83 p579-595.

Travel patterns

Predicting Transit Ridership in Response to Transit Service Changes, Frank S. Koppelman, TE July 83 p548-564.

Trip forecasting

Estimating Trip Rates from Traffic Counts, Edward S. Neumann, John Halkias and Mervat Elrazaz, TE July 83 p565-578.

Trip frequencies

Estimating Trip Rates from Traffic Counts, Edward S. Neumann, John Halkias and Mervat Elrazaz, TE July 83 p565-578.

Trucks

Effect of Oil Field Trucks on Light Pavements, John M. Mason, Jr., TE May 83 p425-439.

Technique for Identifying Problem Downgrades, Ronald W. Eck, TE July 83 p604-610.

Truck Suspension Models, Krishnan Kutty Kunjamboo and Colin O'Connor, TE Sept. 83 p706-720.

Underpasses

Pipe-Jacking: State of the Art in UK and Europe, T. E. Clarkson and J. C. Thomson, TE Jan. 83 p57-72.

Unit costs

Develping Bus Operating Cost Models: A Methodology, Reggie J. Caudill, Richard A. Kaplan and Anne Taylor-Harris, TE March 83 p273-285.

Urban highways

Social and Environmental Impacts: Edens Project, Henry M. Yamanaka, TE Sept. 83 p721-732.

Traffic Planning for Edens Reconstruction Project, Sigmund C. Ziejewski, TE Jan. 83 p159-171.

Urban runoff

Hydraulic Resistance of Pavement Surfaces, Joseph R. Reed and David F. Kibler, TE March 83 p286-296.

Urban transportation

Carpool Assignment Technique Application, William W. Mann, TE May 83 p380-388.

Estimating Trip Rates from Traffic Counts, Edward S. Neumann, John Halkias and Mervat Elrazaz, TE July 83 p565-578.

Optimization of Zonal Transit Service, Shou-min Tsao and Paul Schonfeld, TE Jan. 83 p257-272.

Perceived Factors Affecting Driver Route Decisions, Manouchehr Vaziri and Tenny M. Lam, TE March 83 p297-311.

Predicting Transit Ridership in Response to Transit Service Changes, Frank S. Koppelman, TE July 83 p548-564.

Systematic Calibration of Multinomial Logit Models, Snehamay Khasnabis, Michael J. Cynecki and Mark A. Flak, TE March 83 p209-231.

Vehicle impact forces

Modeling of Steel Tube Vehicular Crash Cushion, John F. Carney, III, Chris D. Austin and Steven R. Reid, TE May 83 p331-346.

Vehicle usage

Highways, Transport, and Energy: A Look Ahead, Herbert S. Levinson, TE Sept. 82 p447-456.

Vehicular traffic

Variance of Vehicle Change Intervals, Martin G. Buehler, TE Nov. 83 p871-875.

Waste recycling

Fly Ash Sulfur Concrete, William J. Head and Min-Fu Liao, TE May 81 p345-363.

Water distribution

Node Flow Analysis of Water Distribution Systems, Pramod R. Bhave, TE July 81 p457-467.

Optimal Layout for Branching Distribution Networks, Pramod R. Bhave and Chan F. Lam, TE July 83 p534-547.

Water flow

Node Flow Analysis of Water Distribution Systems, Pramod R. Bhave, TE July 81 p457-467.

Water quality

Landsat and Water Quality Model Verification, Donald Steven Graham and John M. Hill, TE Sept. 83 p640-650.

Water supply

Optimal Layout for Branching Distribution Networks, Pramod R. Bhave and Chan F. Lam, TE July 83 p534-547.

Wave refraction

Pipeline Shore Approach: Analysis and Design, Henry H. Chang and Jorge Ford, TE Nov. 83 p853-867.

Work trips

Perceived Factors Affecting Driver Route Decisions, Manouchehr Vaziri and Tenny M. Lam, TE March 83 p297-311.

Author Index

Ahmed, Syed

Soil-Pipe Interaction and Pipeline Design, TE Jan. 81 p45-58.
disc: J. M. E. Audibert and Kenneth J. Nyman, TE March 82 p221-226.
clo: TE Jan. 83 p175-178.

Audibert, J. M. E.

disc. (of Soil-Pipe Interaction and Pipeline Design, by Syed Ahmed, Ralph W. McMickle and Carl L. Brassow, TE Jan. 81 p45-58) with Kenneth J. Nyman, TE March 82 p221-226.

Austin, Chris D.

see Carney, John F. III, TE May 83 p331-346.

Bandyopadhyay, Sudipta S.

Sample Size of Pavement Deflections by Nomograph, TE July 83 p599-604.

Beal, Eric A.

see Trapani, Ralph J., TE May 83 p403-413.

Benevelli, David A.

see Radwan, A. Essam, TE Jan. 83 p88-106.

Bhave, Pramod R.

Node Flow Analysis of Water Distribution Systems, TE July 81 p457-467.
err: TE March 83 p328.

Optimal Layout for Branching Distribution Networks, with Chan F. Lam, TE July 83 p534-547.

Bowlby, William

see Cohn, Louis F., TE Jan. 83 p179-195.

Boybay, Mustafa

Hydraulic Cement from Fly Ash and Phosphoric Acid, with Turgut Demirel, TE July 83 p506-518.

Brown, Gerald R.

Visual Intrusion Impact of Residential Traffic, TE Sept. 82 p468-483.
err: TE Nov. 83 p879.

Buehler, Martin G.

Forecasting Intersection Traffic Volumes, TE July 83 p519-533.

Variance of Vehicle Change Intervals, TE Nov. 83 p871-875.

Cabrera, Jose G.

see Hogue, Alamgir M., TE Nov. 83 p800-814.

Cady, Philip D.

Inflation and Highway Economic Analysis, TE Sept. 83 p631-639.

Carney, John F. III

Minisized Automobiles and Roadside Appurtenances, TE Nov. 83 p815-823.

Modeling of Steel Tube Vehicular Crash Cushion, with Chris D. Austin and Steven R. Reid, TE May 83 p331-346.

Casson, Leonard W.

see Cohn, Louis F., TE Jan. 83 p179-195.

Caudill, Reggie J.

Develping Bus Operating Cost Models: A Methodology, with Richard A. Kaplan and Anne Taylor-Harris, TE March 83 p273-285.

Chadda, Himmat S.

Pedestrian Safety Through Work Zones: Guidelines, with Hugh W. McGee, TE Nov. 83 p785-799.

Chang, Henry H.

Pipeline Shore Approach: Analysis and Design, with Jorge Ford, TE Nov. 83 p853-867.

Chou, Yu T.

Comparative Analyses of Rigid Pavements, TE Sept. 83 p669-688.

Subgrade Contact Pressures under Rigid Pavements, TE May 83 p363-379.

disc. (of Equivalent Granular Base Moduli: Prediction, by Brian E. Smith and Matthew W. Witczak, TE Nov. 81 p635-652), TE May 83 p481-486.

Chu, Yu T.

Assess Subgrade Rutting Potential by Stress Factor, TE May 83 p462-470.

Churilla, Charles J.

see Kilareski, Walter P., TE Jan. 83 p33-45.

Clarkson, T. E.

Pipe-Jacking: State of the Art in UK and Europe, with J. C. Thomson, TE Jan. 83 p57-72.

Clayton, N.

disc. (of Atlanta's New Central Passenger Terminal Complex, by James F. Kortan, TE Nov. 80 p765-774), ST July 81 p1389.

Cohn, Louis F.

Interactive Graphics Use in Traffic Noise Modeling, with William Bowlby and Leonard W. Casson, TE Jan. 83 p179-195.

Colony, David C.

see Wolfe, R. Kenneth, TE Jan. 83 p137-147.

Creegan, Patrick J.

Pipe Restraints: Design Fallacies, TE Nov. 83 p840-852.

Cynecki, Michael J.

see Khasnabis, Snehamay, TE March 83 p209-231.

Demetsky, Michael J.

Bus Stop Location and Design, TE July 82 p313-327.
err: TE July 83 p613.

Demirel, Turgut

see Boybay, Mustafa, TE July 83 p506-518.

Deng, Xue-Jun

see Huang, Yang H., TE Sept. 83 p689-705.

Doughty, J. Robert

see Kraft, Walter H., TE May 83 p471-478.
see Kraft, Walter H., TE May 83 p471-478.

Dutta, Utpal

see Maze, T. H., TE May 83 p389-342.

Eck, Ronald W.

Technique for Identifying Problem Downgrades, TE July 83 p604-610.

Elrazaz, Mervat

see Neumann, Edward S., TE July 83 p565-578.

Fazio, Alfred E.

Planning Railway Construction, with Robert N. Fazio and E. K. Tryon, TE Jan. 83 p73-87.

Fazio, Robert N.

see Fazio, Alfred E., TE Jan. 83 p73-87.

Flak, Mark A.

see Khasnabis, Snehamay, TE March 83 p209-231.

Ford, Jorge

see Chang, Henry H., TE Nov. 83 p853-867.

Garcia-Diaz, Alberto

Optimal Strategies for Bridge Replacement, with Judith S. Lieberman, TE Jan. 83 p196-208.

Graham, Donald Steven

Landsat and Water Quality Model Verification, with John M. Hill, TE Sept. 83 p640-650.

Guell, David L.

Additional Through Lanes at Signalized Intersections, TE July 83 p499-505.

Guenthner, Richard P.

Transit Performance Evaluation Model, TE July 82 p343-361.
err: TE July 83 p613.

Halkias, John

see Neumann, Edward S., TE July 83 p565-578.

Head, William J.

Fly Ash Sulfur Concrete, TE May 81 p345-363.
err: TE March 83 p328.

Heath, George L.

see Wolfe, R. Kenneth, TE Jan. 83 p137-147.

Hill, John M.

see Graham, Donald Steven, TE Sept. 83 p640-650.

Hoffman, Mario S.

Loading Mode Effects on Pavement Deflections, TE Sept. 83 p651-668.

Hogue, Alamgir M.

Absorption in Manufactured Soil Aggregates, with Jose G. Cabrera, TE Nov. 83 p800-814.

Huang, Yang H.

Finite Element Analysis of Jointed Concrete Pavements, with Xue-Jun Deng, TE Sept. 83 p689-705.

Jackson, George C.

see Maze, T. H., TE May 83 p389-342.

Kanafani, Adib

Operational Procedures to Increase Runway Capacity, TE May 83 p414-424.

Kaplan, Richard A.

see Caudill, Reggie J., TE March 83 p273-285.

Khasnabis, Snehamay

Systematic Calibration of Multinomial Logit Models, with Michael J. Cynecki and Mark A. Flak, TE March 83 p209-231.

Kibler, David F.

see Reed, Joseph R., TE March 83 p286-296.

Kilareski, Walter P.

Pavement Management for Large Highway Networks, with Charles J. Churilla, TE Jan. 83 p33-45.

Koppelman, Frank S.

Predicting Transit Ridership in Response to Transit Service Changes, TE July 83 p548-564.

Kortan, James F.

Atlanta's New Central Passenger Terminal Complex, TE Nov. 80 p765-774.
disc: N. Clayton, ST July 81 p1389.
disc: Elisha Novak, TE Jan. 82 p133-135.
clo: TE March 83 p327.

Kovach, Eugene M.

Protection of Pipelines Subject to Surcharge Loads, TE Nov. 82 p540-549.
disc: John H. Scarino, TE Nov. 83 p879-881.
clo: TE Nov. 83 p881-883.

Kraft, Walter H.

Traffic Signal Maintenance Requirements, with J. Robert Doughty, TE May 83 p471-478.
err: TE Nov. 83 p884., with J. Robert Doughty
err: TE Nov. 83 p884.

Kunjamboo, Krishnan Kutty

Truck Suspension Models, with Colin O'Connor, TE Sept. 83 p706-720.

Lam, Chan F.

see Bhave, Pramod R., TE July 83 p534-547.

Lam, Tenny M.

see Vaziri, Manouchehr, TE March 83 p297-311.

Levinson, Herbert S.

Highways, Transport, and Energy: A Look Ahead, TE Sept. 82 p447-456.
err: TE March 83 p329.

Lieberman, Judith S.

see Garcia-Diaz, Alberto, TE Jan. 83 p196-208.

Lin, Feng-Bor

Estimation of Left-Turn Traffic Parameters, with Theodore T. Nadratowski, TE May 83 p347-362.

McCullough, B. F.

see Meyer, Alvin H., TE Sept. 83 p615-630.

McGee, Hugh W.

see Chadda, Himmat S., TE Nov. 83 p785-799.

Mamlouk, Michael S.

Characterization of Asphalt Emulsion Treated Bases, TE March 81 p183-196.
disc: Gnanadesikam Ramanujam, TE Jan. 82 p135-136.
clo: TE March 83 p327-328.

Mann, William W.

Carpool Assignment Technique Application, TE May 83 p380-388.

Mason, John M. Jr.

Effect of Oil Field Trucks on Light Pavements, TE May 83 p425-439.

Maze, T. H.

Bus Maintenance Planning with Computer Simulation, with George C. Jackson and Utpal Dutta, TE May 83 p389-342.

Meng, Chian-Lee

see Singhal, A. C., TE May 83 p450-461.

Meyer, Alvin H.

Precast Repair of CRC Pavements, with B. F. McCullough, TE Sept. 83 p615-630.

Nadratowski, Theodore T.

see Lin, Feng-Bor, TE May 83 p347-362.

Nemeth, Zoltan A.

Traffic Control at Freeway Work Sites, with Nagui M. Rouphail, TE Jan. 83 p1-15.

Neumann, Edward S.

Estimating Trip Rates from Traffic Counts, with John Halkias and Mervat Elrazaz, TE July 83 p565-578.

Noel, Errol C.

Red Turn Arrow: Safety Analysis, TE May 83 p440-449.

Novak, Elisha

disc. (of Atlanta's New Central Passenger Terminal Complex, by James F. Kortan, TE Nov. 80 p765-774), TE Jan. 82 p133-135.

Nyman, Kenneth J.

see Audibert, J. M. E., (disc), TE March 82 p221-226.

O'Connor, Colin

see Kunjamboo, Krishnan Kutty, TE Sept. 83 p706-720.

Ou, Fong-Lieh

Transferabilities of Urban Travel Demand Models, with Jason C. Yu, TE July 83 p579-595.

Papadakis, Constantine N.

see Sundquist, Mark J., TE Jan. 83 p232-245.

Parks, Wyley J.

see Wilhelm, Wilbert E., TE Jan. 83 p124-136.

Polus, Abishai

Pedestrian Flow and Level of Service, with Joseph L. Schofer and Ariela Ushpiz, TE Jan. 83 p46-56.

Powell, Warren B.

see Sheffi, Yosef, TE Nov. 83 p824-839.

Radwan, A. Essam

Bus Priority Strategy: Justification and Environmental Aspects, with David A. Benevelli, TE Jan. 83 p88-106.

Ramanujam, Gnanadesikam

disc. (of Characterization of Asphalt Emulsion Treated Bases, by Michael S. Mamlouk and Leonard E. Wood, TE March 81 p183-196), TE Jan. 82 p135-136.

Ramey, George E.

Lift System for Raising Continuous Concrete Bridges, TE Sept. 83 p733-746.

Reed, Joseph R.

Hydraulic Resistance of Pavement Surfaces, with David F. Kibler, TE March 83 p286-296.

Reid, Steven R.

see Carney, John F. III, TE May 83 p331-346.

Rouphail, Nagui M.

see Nemeth, Zoltan A., TE Jan. 83 p1-15.

Rude, Lawrence C.

Load Reductions on Buried Rigid Pipe, TE Jan. 83 p107-123.

Sawan, Jihad S.

Effect of PCC Shoulders on Adjacent Concrete Lanes, TE March 83 p312-324.

Scarino, John H.

disc. (of Protection of Pipelines Subject to Surcharge Loads, by Eugene M. Kovach, TE Nov. 82 p540-549), TE Nov. 83 p879-881.

Schofer, Joseph L.

see Polus, Abishai, TE Jan. 83 p46-56.

Schonfeld, Paul

see Tsao, Shou-min, TE Jan. 83 p257-272.

Sheffi, Yosef

Optimal Signal Settings over Transportation Networks, with Warren B. Powell, TE Nov. 83 p824-839.

Singhal, A. C.

Junction Stresses in Buried Jointed Pipelines, with Chian-Lee Meng, TE May 83 p450-461.

Smith, Brian E.

Equivalent Granular Base Moduli: Prediction, TE Nov. 81 p635-652.
disc: Yu T. Chou, TE May 83 p481-486.

Smith, Robert L. Jr.

Accessible Public Transit Alternatives, TE Jan. 83 p16-32.

Stastny, Francis

Twenty-Five Years with the Pipeline Division, TE Jan. 83 p148-158.

Stonehouse, Donald L.

see Wilson, Frank R., TE Nov. 83 p759-768.

Sundquist, Mark J.

Surging in Combined Free Surface-Pressurized Systems, with Constantine N. Papadakis, TE Jan. 83 p232-245.

Swanson, Richard C.

Mudslide Effects on Offshore Pipelines, TE Nov. 82 p585-600.
err: TE Nov. 83 p883.

Tanaboriboon, Yordphol

Impact Study of Bus Lanes in Bangkok, with Surasak Toonim, TE March 83 p247-256.

Taylor-Harris, Anne

see Caudill, Reggie J., TE March 83 p273-285.

Teodorovic, Dusan B.

Flight Frequency Determination, TE Sept. 83 p747-757.

Thomson, J. C.

see Clarkson, T. E., TE Jan. 83 p57-72.

Toonim, Surasak

see Tanaboriboon, Yordphol, TE March 83 p247-256.

Trapani, Ralph J.

Glenwood Canyon I-70: Environmental Concern, with Eric A. Beal, TE May 83 p403-413.

Tryon, E. K.

see Fazio, Alfred E., TE Jan. 83 p73-87.

Tsao, Shou-min

Optimization of Zonal Transit Service, with Paul Schonfeld, TE Jan. 83 p257-272.

Ushpiz, Ariela

see Polus, Abishai, TE Jan. 83 p46-56.

Vaziri, Manouchehr

Perceived Factors Affecting Driver Route Decisions, with Tenny M. Lam, TE March 83 p297-311.

Wilhelm, Wilbert E.

Cost Trade-Off Analysis for Bus Facility Expansion, with Wyley J. Parks, TE Jan. 83 p124-136.

Wilson, Frank R.

Environmental Impact Assessment: Highway Location, with Donald L. Stonehouse, TE Nov. 83 p759-768.

Witkowski, James M.

Methods Used to Evaluate Highway Improvements, TE Nov. 83 p769-784.

Wolfe, R. Kenneth

Cooling Curve Prediction of Asphaltic Concrete, with George L. Heath and David C. Colony, TE Jan. 83 p137-147.

Yamanaka, Henry M.

Social and Environmental Impacts: Edens Project, TE Sept. 83 p721-732.

Yu, Jason C.

see Ou, Fong-Lieh, TE July 83 p579-595.

Zlejewski, Sigmund C.

Traffic Planning for Edens Reconstruction Project, TE Jan. 83 p159-171.